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L6: Entry 1 of 1

File: USPT

Mar 17, 1998

US-PAT-NO: 5728562

DOCUMENT-IDENTIFIER: US 5728562 A

TITLE: Isolated recombinant uricase

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

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US-CL-CURRENT: 435/191

CLAIMS:

What is claimed is:

1. An isolated uricase which is stable in an aqueous solution at a temperature up to 60.degree. C. and at a pH of 8.0 for 10 minutes, said isolated uricase having the amino acid sequence of SEQ ID NO: 2.
2. The isolated uricase according to claim 1, which has a residual activity of at least 90% at a pH of 8.0 in an aqueous solution and at a temperature of 60.degree. C. for 10 minutes.
3. The isolated uricase according to claim 1, which is produced from a microorganism transformed with an expression vector comprising a uricase gene of Bacillus sp. TB-90.
4. The isolated uricase according to claim 1, which (a) has a residual activity of at least 90% at a pH of 8.0 and at a temperature of 60.degree. C. for 10 minutes, and (b) which is produced from a microorganism transformed with an expression vector comprising a uricase gene of Bacillus sp. TB-90.
5. The isolated uricase according to claim 4, which has a molecular weight of about 35,000 Daltons.
6. The isolated uricase according to claim 3, wherein the microorganism is selected from the group consisting of Escherichia coli and Bacillus subtilis.
7. The isolated uricase according to claim 3, wherein the expression vector is

selected from the group consisting of pUOD316, pKU1 and pEB2.

WEST Search History

DATE: Monday, June 09, 2003

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<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L6	isolated uricase.clm.	1	L6
L5	uricase and dna.clm.	65	L5
L4	uricase.clm.	163	L4
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L3	uricase.clm.	208	L3
L2	6576235	0	L2
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L1	6576235	0	L1

END OF SEARCH HISTORY